AP SYSTEM BATTERY CHART

BATTERY CHARGING TIMES - MINUTES (80% / 100% CAPACITY)

AP System Chargers	AP 200 S	AP 300	AP 300 S	AP 500 S	AR 2000
AL 101 Charger	150/200	190/250	230/300	280/355	-
AL 301 Charger	40/55	50/80	55/80	70/90	220/290
AL 301-4 Charger	40/55	50/80	55/80	70/90	220/290
AL 501 Charger	25/40	-	30/45	40/55	110/150

RUN TIMES PER BATTERY CHARGE - MINUTES [1]

AP System Batteries	AP 200 S	AP 300	AP 300 S	AP 500 S	AR 20
Run Times per Battery Charge - Minutes [1]					
BGA 86	17	21	**26**	31	90

BGA 100 (discontinued)[3]	66-12*	83-16	103-20	123-24	320-65
BGA 160	75-10	85-15	**110-15**	130-17	415-53
BGA 200[3]	49-7*	78-12	95-14	**114-17**	315-53
BGA 250	27-13	-	40-12	**48-14**	145-44
BGA 300[3]	-	-	50-20	58-24[5]	97-48*
BRA 500[4]	-	-	-	**19****	-
BRA 600[3 4]	-	-	-	**18****	-
FCA 135	28*	35	**45**	52	165
FCA 140	28*	35	**45**	52	165
FSA 86 R (w/ line head)	**30**	42	52	62	185
FSA 110 R	40	45	**50**	55	370-20
FSA 120 (w/ line head)	30	40	**50**	60	200
FSA 120 R (w/ line head)	30	40	**50**	60	200

FSA 135 (w/ line head)[2]	28-17*	36-19	**45-25**	54-30	160-90
FSA 135 R (w/ line head)[2]	28-17*	36-19	**45-25**	54-30	160-90
FSA 200 (w/ line head)[2]	21-11*	24-14	32-17	**40-20**	116-62
FSA 200 R (w/ line head)[2]	21-11*	24-14	32-17	**40-20**	116-62
FSA 400 (w/ line head)[2]	-	-	20-12	**25-15**	-
FSA 400 K (w/ metal blade)[2]	-	-	40-20	**50-25**	-
HLA 66	**144**	180	223	268	715
HLA 86	**145**	180	223	268	715
HLA 135 K (0º)	**64**	77	95	114	345
HLA 135 K (145º)	**64**	77	95	114	345
HLA 135 (145º)	**64**	77	95	114	345
HSA 66 (discontinued)	**144**	180	223	268	717
HSA 100	**150**	180	225	270	730

HSA 130 R2 (discontinued)	**108-84**	135-105	167-130	200-155	690-56
HSA 130 T2 (discontinued)	**108-84**	135-105	167-130	200-155	690-56
HSA 140 R–24"	**150-100**	195-140	245-175	290-210	-
HSA 140 T–24"	**140-90**	190-120	235-150	290-180	-
HSA 150 R–30"	**150-100**	195-140	245-175	290-210	-
HSA 150 T–30"	**140-90**	190-120	235-150	290-180	-
HSA 150 T–40"	**140-90**	190-120	235-150	290-180	-
HTA 66	**46**	55	68	82	195
HTA 86	**46**	55	68	82	195
HTA 135	22*	35	**45**	54	160
HTA 150	30	47	**60**	68	222
HTA 160	45	56	**70**	80	262
KGA 770	168	260	**260**	-	-
KMA 120 R (w/ FS-KM line head)[2]	30-14*	38-18	**47-22**	54-26	200

KMA 135 R (w/ FS-KM line head)[2]	28-14*	36-17	**45-22**	54-28	160-80
KMA 200 R (w/ FS-KM line head)[2]	-	-	32-16	**40-20**	-
MSA 160 C-B	42	50	**62**	74	195
MSA 161 T***	**42**	50	62	74	-
MSA 200 C-B	35*	40	**50**	60	175
MSA 220 C-B	32*	37*	**40**	48	220*
MSA 220 TC-O***	16*	25*	**29**	34	-
MSA 300 C-O[2]	-	-	-	**44-20**	-
REA 100 PLUS	50	75	**80**	130	-
SEA 100	**25**	29	29	-	-
SGA 85	**1,000**	-	-	-	-
SHA 140[3]	39-25	-	**60-38**	71-44	-
TSA 230	14*	18	**22**	26	80

TSA 300	-	-	16	**20**	-

WORKING RANGE PER BATTERY CHARGE - SQ.FT. [1]

AP System Batteries	AP 200	AP 300	AP 300 S	AP 500 S	AR 200(
RMA 353	-	3,056	3,616	4,542	-
RMA 353 V	-	2,583	3,078	3,842	-
RMA 453 PV	-	3,875	**4,843**	6,565	-
RMA 453 T	-	-	-	-	-
RMA 453 V	-	-	-	-	-
RMA 510 (discontinued)	-	3,056	3,616	4,542	-
RMA 510 V (discontinued)	-	2,583	3,078	3,842	-
RMA 7 RV[4]	4,327	5,253	6,480	**7,793**	-
RMA 756 V[4]	4,219	5,123	6,308	**7,599**	-
RMA 765 V[5]	-	-	-	5,166	22,066

–Not applicable

[1]The battery run time and working range specifications for each battery are estimates and may vary depending on usage and application.

[2]Level 1–Level 3

[3]Level 1–Boost

[4]When used with two of the indicated batteries

[5]When used with the ADA 1000

Note: Battery/tool combinations providing the best balance, adequate run time, and optimal performance are shown in bold.

*Reduced tool performance.

**Run time/working range with two batteries.

***__WARNING:__ If using an AR System battery or AP System battery in a battery bag with connecting cord, always use a lift bucket for in-tree surgery and maintenance. Do NOT climb in the tree.

Online print version

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